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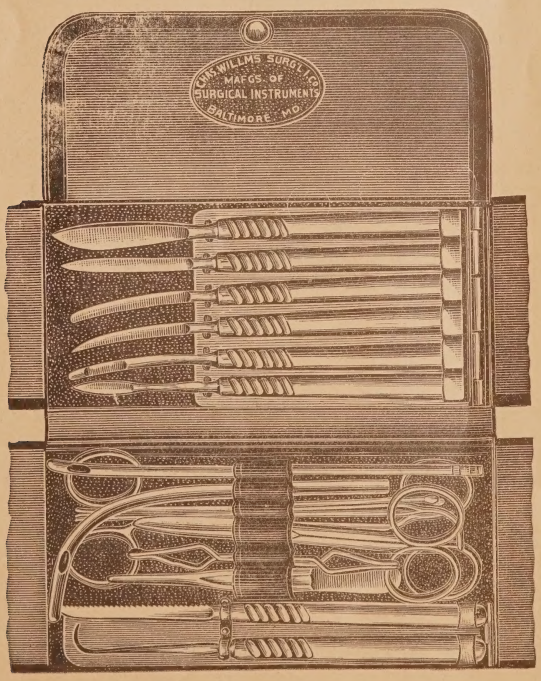

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ALUMNI JOURNAL.

Vol. IV. BALTIMORE, DECEMBER 31, 1901. No. 2.

Address at the Opening of the 21st Session of the Baltimore Medical College, Sept. 26th, 1901.

S. K. MERRICK, M. D.,
Professor of Diseases of the Nose, Throat and Chest, Baltimore Medical College.

Mr. President, Members of the Faculty and Students :

It becomes my duty and privilege to welcome you in the name of the Faculty to the opening exercises of the twenty-first session of The Baltimore Medical College, and to assure you that so long as your studies shall keep you within these walls, that no pains will be spared on our part to make your sojourn among us both pleasant and profitable, asking only in return that our efforts in this laudable undertaking may be met by an earnest and cordial co-operation on your part.

In the past it has been the pride and boast of The Baltimore Medical College, that its students have always been regarded as *individuals* and not as *aggregations*, thus fostering that personal relation, made stronger by hand-to-hand teaching, resulting in the most pleasant intercourse between the Faculty and students, and making smooth many rough places in the oftimes rugged paths which lead to learning and skill.

For sixteen years in my section work in the hospital where I have been thrown into the closest contact with students, I cannot recall a single instance in which a student has been wanting in proper respect to his teacher or abused in any flagrant way the privileges he enjoyed.

To insure the fullest measure of success by this admirable method of instruction requires, first, on the part of the teacher, dignity, kindliness, earnestness, and tact, coupled of course with a well-digested knowledge of the subject taught. On the part of the student, first, a courteous and respectful bearing towards his teacher, a strong desire to learn; close attention to details; an honest effort to do at all times his best, united with a fair mental capacity. This completes the cycle of attributes of teacher and student, and when duly combined the result is invariably good.

The Faculty intend to extend rather than curtail this method of instruction, and look confidently to teacher and student alike, to cultivate those attributes which will make the present excellent results pale before the phenomenal results which lie dormant in the womb of time, awaiting only the skillful hand of the accoucheur to bring them forth from living entities.

While strengthening our courses in this direction, it is not intended that didactic teaching shall be weakened. Theory and principle can best be taught didactically, and it is our wish that these courses shall be strengthened wherever possible, so that both the *science* and *art* of medicine receive proper attention.

It may not be out of place just here to define science and art as applicable to medicine.

The word "science" is derived from the latin *scio*, to know. 1. Knowledge. 2. "The knowledge of *many*, methodically arranged so as to be attainable by *one*; truth attained by a course of methodical study; that which we know deductively or inductively; a knowledge of laws, principles and relations."

The word "art" is derived from the latin, *ars*, which mean: 1. The power of doing something not taught by nature. 2. "The application of knowledge or science to effect a desired purpose; practical skill as directed by theory or science."

"The distinction between science and art, is, that science is a body of principles and deductions, to explain the nature of some matter. An art is a body of precepts with practical skill for the completion of some work. A science teaches us to know; an art, to do. In art, truth is a means to an end; in science, it is the only end."

It will thus be seen that the practice of an art presupposes a knowledge of the science upon which the art is based. A knowledge of the reasons for the exercise of an art are necessary for an intelligent practice of that art.

It is not accident that courses are arranged in Medical Colleges, so that didactic teaching shall precede practical teaching. While the two methods may sometimes be employed concurrently, the student well grounded in theory and principles, when he comes to their practical application has a distinct advantage over the student having a meagre knowledge of them. A want of such knowledge often means failure. Gentlemen, our courses are so arranged that your studies, like cogwheels, will accurately fit into each other and will glide smoothly along if you lend yourselves cheerfully to the plan.

Having given you a brief outline of the most approved methods of instruction, it may be profitable just here to lay before you some of the results of the labors of men, whose lives have been an inspirative to those who have followed them, and whose works are their most fitting panegyric.

The healing art is as old as man himself. We cannot imagine a time when man could not make known his suffering to his fellowman, and a necessary corollary to this proposition, is, that we cannot imagine a time when man was not anxious to relieve the suffering of his brother man. However rudimentary, however circumscribed; however false and involved in superstition and irrational practices, it was, nevertheless, art in its incipiency—art probably antedates science by many hundreds of years. The Romans no doubt understood this, for they had a saying, "Ars est longa vita breva est."—art is long, but life is short; intending at the same time to emphasize the difficulty of mastering an art in so short a time as the span of the average human life.

Medicine is often spoken of as an ancient, honorable and learned profession. Were I to attempt to lay before you a tithe of the evidences in our possession, going to prove the correctness of this statement it would be an imposition upon you and a work of supererogation upon me. It will not be inappropriate however, to lay before you a few of the most salient and important facts bearing upon this proposition, to the end that in choosing a profession, you may be sensible of the great work and learning of those who have gone before us and blazed the way to the brilliant achievements which we now enjoy. Authors have divided the history of medicine into three distinct epochs: 1. Ancient medicine. 2. Mediaeval medicine. 3. Modern medicine. The first epoch, ancient medicine, extends from the earliest records to the time of Galen; the second, mediaeval medicine, is made up of Arabian and scholastic medicine, including the time from Galen's day to the 15th century—modern medicine from 15th century to the present time. The first starts with Egyptian medicine, which has its beginning with the papyrus found by Geo. Ebers, its date being at least fifteen hundred years before Christ. This work is one on materia medica, and no less than seven hundred remedies have been deciphered, among which are opium, castor oil and other well-known drugs. Assyrio, Babylonian medicus comes in this

epoch and has been preserved in cuneiform tablets, and some of the work of deciphering them has been done by a physician and scholar of this city, Dr Christopher Johnston. The cuneiform inscriptions are copies of letters to the King, and among them are letters of the physician to the King.

Hebrew medicum covers an era in this epoch which is well illustrated in the book of Leviticus.

After this comes historic medicine, beginning with Greek medicine, and here we find the works of Hyppocrates, the father of medicine—the greatest name in ancient medicine, and one of the greatest that illuminates the pages of medicine in any age. The simplicity of his works, characterized by acuteness of observation, absence of speculation, has made them models even to the present day. * * * *

Next, we have the school of Alexandria, in the time of Ptolemys. In this school pathology and human anatomy were taught and human dissections practiced.

We come now to Roman medicine, when Greek medicine was introduced by Esclapiades, in the second century before Christ. His original works are lost, but he was quoted most extensively by Galen and other writers, and the value of his works is thus preserved.

Celsus wrote in the first century, and his work was of the greatest value, for he handed down an exhaustive compilation of all the knowledge and wisdom of the preceding ages. "He was an encyclopædia writer, and not an original authority."

His description of diptheria indicates that he was familiar with this disease.

Galen comes in the second century after Christ, summing up the "wisdom of antiquity" and establishing that system of medicine which held complete mastery over both its literature and practice for more than a thousand years. No new contributions to medicine from this time to the Reformation, took place, and his system was a "wonderful monument" to his great powers of observation, intuitive judgment and cogent reasoning.

This closes the cursory remarks on ancient medicine. Mediaeval medicine covers a period in the history of medicine in which nothing of great value was contributed. There were many voluminous writers in the Eastern Empire, from whom we gather the "names and ideas" of authors of this epoch—Paul, of Egina, and Orbosius, among them—the former an experienced and skillful surgeon.

"In the Arabian period, Razes was the *one* who actually contributed something, the rest being followers of Galen," simply transmitted his ideas. No description of smallpox can be found previous to Razes, and this positively fixes its originality. An English translation of Razes' description is in the library of the Medico-Chirurgical Faculty of Maryland.

"In the tenth and eleventh centuries the foundation of universities began, the first was that of Salernum, and it began with a school of medicine."

"In the twelfth and thirteenth centuries we have the works of Bernard Gordon and Gilbert, of England, the first Englishmen whom we know wrote medicine, and in the very early works the strong practical sense of the British physician is made manifest. Many copies of their works were made, and they became very popular, and are typical examples of scholastic medicine."

"The next century marked the dawn of freedom of thought, so free indeed, that the philosophical works of Arnold and Villa Nova were burned by the Inquisition."

"Mondino wrote a work on anatomy, based on his dissections of the human body—the first dissection since the time of the school of Alexandria—but he was overwhelmed by Galenism, which held full sway." This period closes with the writings of Guy de Chal, a man full of

learning and thoroughly familiar with the work of his predecessors.

Modern medicine. This era was charac terized by classical scholarship and a revolt against dogmatic authority.

Linacre, a professor in Oxford, active practitioner and court physician to Henry VIII, as well as physician to the great Cardinal Wolsey, together with Keys, who wrote a classic on spring sickness, initiated the return of rational criticism, close observation and original investigation. This was the true Hyppocrates' spirit, which had been dormant for hundreds of years.

Then comes the great name of Vesalius, the reviver of anatomy. He undermined Galen by pointing out the mistakes in the latter, made in his examination of animals. The anatomy of Galen was supposed to be infallible, and when permission was asked of the church to permit dissection of human bodies, the authorities answered, "it is not necessary unless Galen has made a mistake, and he has not made a mistake, therefore it is unnecessary." Vesalius, however, reconstructed human anatomy.

In the year 1628, Harvey published his discovery of the circulation of the blood. This was the greatest discovery in physiology, and completed the downfall of Galenism. Harvey's work on the development of the embryo, was of the *greatest importance*, being the foundation-stone of the new science—Embryology.

"Sanctorius comes next, being the first to use instruments of precision, the first to count the pulse, the first to use the ther mometer. For thirty years he recorded his own weight and the weight of his ingesta and excreta."

"Borrelli was the founder of the chem ical school, and was the first to try to explain the phenomena of life on chemical principles." A man of cultivation, his work was the natural outcome of the great advances in physics going on about this time. Helmont, Sylvius and Glysson each contributed materially to the progress of medicine in this period, the last is celebrated for his work on the liver, and his conception of the doctrines of irritability—"the fundamental property of living things," as well as a remarkable monograph on rickets.

Willis gained renown for his work done on the anatomy of the brain. Sydenham, the greatest name in British medicine, and one of the greatest of all times, described gout most accurately, wrote graphically on the use of bark in malaria, recognized hysteria, and wrote lucidly upon it, and introduced cooling treatment in fevers.

About this time simple lenses were made, and with them "Malpighii ranged over the whole subject." He was the first to see the red blood corpuscles, and study the stricture of the lungs, kidneys and all the glands of the body.

VanLoewenhock, a self-taught microscopist, a linen draper by trade, discovered bacteria with these lenses, but did not ap preciate their significance.

These two men did all that could be done with these simple lenses, and no further development was possible until more perfect lenses were introduced which did not take place until the early part of the 19th century.

The eighteenth was known as the philosophical century, and out of the multitude of names who contributed to the great progress of medicine during this period, may be mentioned: Bœrhaave, Hoffman, Stahl, Haller, Wolff and Morgagnii, the first to make scientific and systematized post-mortem examinations. Then follow Aven berger, the discoverer of percussion; Jenner, the discoverer of vaccination, and Hunter, the greatest name in scientific surgery. Spalanzani, the first to study artificial digestion in tubes outside of the body, and Galvani who introduced elec tricity into medicine. These fittingly close the great names in medicine of the eighteenth century.

Now what shall we say of the nineteenth century. Great names and great events crowd each other, in such rapid succession that it is only possible to refer to a few as representative of this century of splendid performances.

Bichat, followed by Laennec the discoverer of Anscultaton, Louis distinguished for his studies of typhoid fever; Charles Bell, the discoverer of the roots of sensory nerves; Liebig who initiated the work in physiological chemistry; Johannes Muller, the founder of the modern German school of physiology; our own Morton the discoverer of anæsthesia; Wunderlich whose work has made general the use of the thermometer; Von Helmholz, the discoverer of the opthalmoscope; Seignor Garcia and Czermac whose combined work produced the laryngoscope and led to the illumination of numerous other cavities of the body; Virchow, the author of cellulo-pathology; Lister who formulated and introduced antiseptic surgery; and finally—Pasteur and Koch, whose splendid original work in bacteriology, makes their names household words in every civilized land, close the list.

I cannot close this list of great names in medicine and surgery without pausing to pay a tribute to one of our countrymen, who has been justly called the "father of ovariotomy"—I refer to Ephraham McDowell. In the year 1809, in the month of December, in the town of Danville, Kentucky, he performed the first ovariotomy that was ever done and thus laid the foundation for this great surgical operation, which has saved the lives of thousands—yes, tens of thousands.

While performing the operation, Dr. McDowell was conscious that an angry and excited crowd of men were collected in the street, awaiting the result of the experiment of "butchering a woman" as they expressed it. Had the operation failed and the woman died, he knew in those primitive times, his own life would be in peril. A biographer says: His life hung on the recovery of this heroic woman.

He offered up a devout prayer to God, before the operation, to give him skill and judgment and with sublime faith he proceeded to perform an operation, which for boldness and nerve is without a parallel in the annals of surgery.

Mrs. Crawford, the woman upon whom the operation was done, lived thirty-four years afterwards.

America, it will be seen, has given in the nineteenth century two of the most beneficent discoveries of all time, to medicine, viz.: anæsthesia through Morton and ovariotomy through McDowell.

It will be interesting and instructive to note *how* the works of the illustrious men whose names have already been mentioned, have changed results in the prevention and cure of disease.

Public hygiene or sanitation has been the most potent factor in preventing and arresting the ravages of disease which formerly swept as pestilences over entire nations, and the doctor has been the preacher of this gospel.

The plague two years ago in India destroyed the lives of about 300,000 persons. But bad as this recent devastation is, it is not to be compared with its former ravages. In one of James' novels, entitled "The Fire and the Plague," he draws a vivid picture of the plague in 1665 in the city of London when 70,000 perished in that then small city. Still earlier in the fourteenth century, the Black Death, which was then its name, swept over Europe and carried off 25,000,000, one fourth of the entire population of the entire continent. This terrible devastation occurred, it must be observed, in the most civilized countries of the world. The bubonic plague of the present time, the name by which it is now known, is limited entirely to peoples half civilized who are totally ignorant of sanitary laws. Through sanitation, intelligently and vigorously enforced, together

with the inoculation of sterilized bouillion-cultures of its bacillus, we may confidently look forward to a not distant date when the bubonic plague will be completely under our control.

Haffkine introduced the preventive inoculation—mentioned a moment since and of 2197 persons inoculated in a town in India, 36 died of the disease, ½ per cent. In the same town 6033 remained unprotected and 25 per cent. of them succumbed to the plague.

"Another disease, cholera, has been almost throttled in civilized countries." France alone, in the epidemic of 1832, lost 120,000 souls, and in the single city of New York 3500 died.

Yellow fever, in its violence and extent, at one time ranked next in importance to the plague and cholera—is apparently under almost complete control, for the city of Havana, its home, in Cuba, has become practically free from the disease this summer, under the intelligent sanitary regulations, imposed by Gen. Wood, who is a "physician as well as diplomat and warrior." Never before has this city been free from yellow fellow in summer.

In the frightful epidemic of 1797, in every large city of the North as well as the South, the tramp of the funeral cortege could be heard in every hour of the night as well as the day, the havoc wrought was so great. It was in this epidemic that our own immortal Rush, set an example of bravery and devotion to duty, in the midst of pestilence, which greatly endeared him to his countrymen.

"Previous to the 19th century, scurvy decimated armies and rendered navies useless." The researches of physicians showed it to be due to want of fresh vegetables. The result has been that scurvy has practically disappeared.

Typhus fever was at one time as much dreaded as the plague—ships, jails, camps and even hospitals were often little less than charnal houses on account of the presence of this scourge. The disease is now rarely seen and "the modern exemption of armies, ships, jails and hospitals from typhus is due to our own profession more than any other agency."

As an evidence of what the Jenner discovery alone has done for mankind, I will cite an advertisement in England in 1688 for a counterfeiter. As a means of identifying him he was described as being "without pock holes," in his face. At the end of the 18th century, it was estimated by Gilbert Blane that 'an adult person who had not small-pox was scarcely to be met with in the United Kingdom—and at the Institution for the Indigent Blind, two thirds of the applicants were made blind by the small pox.

"In the family of William III of England, his Queen Mary, his father, his mother, his uncle and two cousins, children of James I, all died of small-pox and the King himself barely escaped with his life." Suffice it to say that about every 8 or 10 years the disease would invade a country and from ten to thirty per cent. of the population would die from its ravages. All honor to the immortal Jenner.

The most pronounced feature of modern medicine is the laboratory method of studying diseases. We are probably only at the beginning of this method, and while the harvest already is rich in results, we look for much richer finds, in this field of investigation.

The discovery of the bacillus of tuberculosis by Koch has definitely fixed the etiology and diagnosis of pulmonary tuberculosis and has put us on the road we hope to finding a specific for this disease; while the laboratory through the labors of Klebs and Lœfler has not only identified the bacillus of diphtheria, but given us an anti-toxin which has robbed this disease of more than half of its danger, and when the treatment is promptly instituted the death rate is very small. Until within the

last few years the death rate was placed at about 40 per cent.

Hydrophobia, trichinosis and tetanus have all been robbed of much of their terror by the laboratory workers, and in the case of trichinosis has been practically eliminated. While the laboratory work in veterinary medicine has been most cre it able and from an economic point of view little less than marvelous, resulting in the saving annually of many millions of dol lars by preventing and curing disease among our flocks and herds.

Thus far I have said little of surgery—it is *medicine* that has made the giant strides at which we have glanced. Surgery has kept pace, and hand in hand they are marching on to new triumphs.

Though Long of Georgia, prior to 1846 had used ether, practically the introduction of anæsthesia dates from Oct. 16, 1846, when Dr. John C. Warren performed a major surgical operation without causing the least pain. The news spread rapidly and soon it was used at nearly all clinics throughout the civilized world. Previous to this time the horrors of operations was such that, in the Mass. Gen. Hospital there had been only 184 persons operated on in 5 years, or 37 per annum. In the five years following 487 operations were done, or 100 annually, and at the present time over 3000 are done every year.

Sir James Y. Simpson gave us chloroform in 1847. If the sufferings which these two anæsthetics have prevented, could be appreciated and the gratitude of those alleviated could find voice, it would be a peace sounding down the corridors of time to generations yet unborn. Every man may well bless the names of Morton, Warren and Simpson.

The introduction of anæsthesia did not however rob surgery of all terror. The acute pain of the operation was gone but what shall we say of the after-suffering? The parched lips, sleepless nights, wounds reeking with pus and patients dying by the scores from blood poisoning, erysipelas, tetanus and gangrene, were sights only too familiar in the days of pre-antiseptic surgery.

Lister arose a modern David and slew the then Goliath, which had living upon the heels of every surgeon.

The era of antiseptics was launched by Lister and we are now enjoying the matchless results of his great discovery.

"Before Lister day, erysipilas tetanus, gangrene and blood poisoning, in its various phases, were constant attendants of every surgeon, and when a rare case occurred and primary union followed without a drop of pus and without fever or suffering, it was regarded as an extraordinary achievement. Now the surgeon who does not get such a result, asks himself the question, What was the fault in technic?" To open the head, the abdomen or chest 30 years ago, was equivalent to signing the death warrant. The early mortality of ovariotomy was 60 per cent. Now many surgeons can point to series of 100 abdominal operations with a fatality of 2 to 3 per cent.

It is estimated that 1000 ovaritomies at the present time under antiseptic precau tions would add at least 30,000 years to human life.

The mortality of compound fractures used to be 60 per cent.—it is now about 3 per cent., and from sepsis after such operations, among the most competent and careful surgeons, it is almost nil.

Major operations used to cause a death rate of from 50 to 60 per cent. Now from 10 to 20.

An American surgeon once said, "translate figures into happy hearts and prosperous homes if you can, and then tell me what Warren and Lister have done for humanity."

Now, young gentlemen, if I have succeeded in placing before you facts, events and great names which have figured in the history of medicine, in such a way as

to increase your respect and reverence for the noble profession of your choice, my object has been attained, and in closing it wish to pay a tribute to our honored profession in the language of Dr. W. W. Keen, in his oration at the Centennial Anniversary of the Medico-Chirurgical Faculty of Maryland. He said: "In Mr. John Wanamaker's gallery is one of the most striking pictures I have ever seen. On a large canvas by Fritel, in the center of the picture, advancing directly toward the spectator, is a large cavalcade of warriors, arrayed in corselet and casque. Their stately march at once arrests the eye. The leader is Julius Caesar. He is flanked by Napoleon and Alexander the Great and followed by Attilla, Semiramis and a lengthening host of those whom the world counts among its greatest conquerors. They advance between two long rows of rigid, ghastly corpses, all stretched at right angles to their line of march. Spectral mountains in the distance hedge in a desolate plain, given over to the vulture, the bat, and silence.

"I would that some artist might paint a companion picture of the 'conquerors in medicine' instead of 'conquerors in war.' Instead of spectral hills and a barren waste, the scene should be laid in a fertile, smiling valley, bounded by delectable mountains. The stately procession should be led by Edward Jenner. He should be flanked by Joseph Lister and John C. Warren and followed by Simpson, Billroth, Livingstone, Ambrose Pare, Virchow, John Hunter and many a modest but unknown hero, who has yielded up his spirit in the performance of his duty. Instead of treading their way through lines of corpses, they should march between lines of grateful men and women and a host of God's little children who, on bended knee and with clasped hands, would invoke Heaven's richest benedictions upon their deliverers."

Part of a Doctor's Holiday.

BY ROBT. W. JOHNSON, M. D.

The editor of this JOURNAL has kindly asked me to give a short account of a part of my summer trip abroad, and the only way in which I can make it appropriate for a Medical Journal is to consider it in the light of a remedy to be prescribed for medical men, who, like me, have spent some twenty-one years in harness without a holiday worthy the name.

Of course, a history of the places we saw would be the history of the world practically, and a description of them even in brilliant type now fills some half dozen volumes of that "vade mecum," 'Baedecker'; so if the reader expects anything more than a very superficial glance he must go elsewhere; nor will he be less disappointed if he looks for an account of hospitals or shoppy talk of technique, for my title saves me from that,—a doctor's holiday meaning a respite from work and a freedom from professional thought, an escape from the "tintinabulations of the bell"—telephone and night.

With this idea we took the good ship "Hohenzollern," May 18th, and though the first salt water seen was in the tear drops at leaving, we made the parting as humane to all parties as possible by saying good-bye a half hour before we weighed anchor, and did not go through that long agony of seeing those on land gradually fade from view as the ship slowly but surely widens the breach between us, and handkerchiefs and faces melt into one blurred mass ashore.

The "Rolling Billy" merited her nickname, for it did not take long after Sandy Hook was reached and blue water came aboard to convince us that sea-legs were essential and our medullae and tympana were busy adapting themselves to the new conditions, and the semi-circular canals tired of trying to keep pace with the

devious actions of our feet. Fortunately, two days out we had fine weather and the sea sick took courage, came on deck, and from that time on the decks were alive with people,—exercising, talking, napping in the sun, or playing horse-billiards, as shuffle board is called; listening to the band, reading up proposed trips ashore, watching the multitudinous life of the sea, as jelly-fish, nautilus, dolphins, porpoises, sported around our bows or turned topsy-turvy in the foamy wake of the propeller. As we neared the Azores, new interest was excited in the flying-fish and whales,—six of which we saw one morning lolling about in the sunshine or playing their fountains in the offing, lethargic, lazy-looking islets of fat taking the rest cure out there in mid ocean. Ships too, passed occasionally, but the Southern route is very lonely,—out of the beaten lane of ocean ferry, and day after day would pass without the sight of a single sail, and the ever receding horizon forced home the magnificent solitude of these watery wastes.

The first land sighted was the Azores whose rocky sides looming up out of the bosom of the ocean, present at first an austere appearance, but on closer acquaintance one sees clusters of houses, villages and towns tucked away under the beetling cliffs, and carpeting every nook where it can find a place almost tropical luxuriance of flowers and trees. These islands belong to Portugal, and their brown tiled roofs with their brilliantly painted walls, green, yellow, red and white give an onyx setting to the turquoise sea. From shipboard the towns looks neat and clean as a Lancaster County farm, but Latin races make us take these evidences of cleanliness with the proverbial grain of salt, as closer acquaintance shows them often to be whited sepulchres. Perched up in the clouds that hang like gauze veils over the foreheads of the mountains, we saw tiny cottages with clearings near, or a church on its way to heaven. From these islands comes a great deal of the Madeira wine so grateful to the palate of the diner-out; beautiful flowers and glorious warmth tempered by the all prevailing sea breeze make them sanitaria for consumptives, especially English who look on these islands as we do on Southern California. Formerly they had considerable trade with whalers, but now that the Standard Oil Company has monopolized sea and land they do not have much commercial importance. Passing St. Michaels, an attractive looking town, we took our first and desperate chance to write home. As we did not stop, we placed our letters in a tin box on a small buoy with flag attached, signaled the fort and threw it overboard, taking care that there should be ample reward over and above the stamp tax for the enterprising fisherman who would row out and get it; but the last we saw of the flag it was bobbing away in the waves and the lethargic Portugese was still on shore waiting perhaps for it to drift in. We have never heard of our letters, so I imagine the fisherman is living comfortably on what he considers fair salvage in having rescued the flag from a watery grave.

All our Anglo-Saxon blood was set tingling when on the 28th Trafalgar showed its sandy reach, backed up by the mountains of Spain; and later that same day the pulse of the ship stopped beating beneath the fortress of Gibraltar. What a cosmopolitan place it is! We counted a dozen different nationalities in an hour's walk through the galleries of the Rock, and the perpendicular streets of the town. Here too, we saw characteristic dressing,—not modeled after Paris but on ancient lines; Arabs, Indians, Chinese, Scotch Highlanders, Germans, Americans, English, French, Spanish, Italians, Negroes, etc. Indeed the Rock suggested the Tower of Babel and the streets a strike of the builders, so various were the people we met. The galleries are long winding tunnels in the rock, dug out by convict labor, with

here and there a casemate for a gun whose power is supposed to terrify England's enemies. Practically, a few well located dynamite projectiles landing in a chamber would blow off the face of the Rock, so that with modern guns the fortress is hardly as impregnable as formerly,—at least to the lay mind.

Here we had a chance to compare the tidy, thrifty care of England with the squalor and degenerate ways of Spain. From this fortress and town, so well kept, it is but a step across the neutral ground into the Spanish village,—which you are allowed to enter after having all your pockets slapped to see if you smuggle tobacco. Two story shanties of stone with dirt and dead dogs and cats and filth in the street in front, a lazy, sneaky looking lot of men lounging around the ever present 'pub', unkempt children in tatter-demalion rags, give you a picture of the Spanish town which even the brilliant eyes of the women or the general air of satisfaction with such surroundings fail to dispel.

The promoters of World's Fairs think it incumbent on them to make the entrance as imposing as possible; an idea that is possibly taken from that superb portal of the fair world of Europe, through which one enters on the way to Naples. We can never forget the approach to that ancient town. Imagine for yourself what we actually saw: The sun was just setting behind the western hills, the full moon piercing the twilight bow in the East was laughing along the slope of Vesuvius which rose in massive dignity in front, and sent long streamers of smoke and steam to leeward, resolving into many tinted clouds. The sea was fairly aglow with the reflection of the sky, rejoicing in the ideal light of sun and moon. On either hand towered in dark purple shade the heights of Capri and Ischia; while girdling the crescentic beach, resting at the foot of the purple hills lay the white town of Naples, her electric lights glowing like jewels in the pearly setting of her pure white homes.

The ear too, had its pleasures as well as the eye, for the ship's band played those lovely Italian airs so appropriate—"La Margharita," "Belle Neapoli," the Intermezzo from "Cavaleria Rusticana"—whose great author, Mascagni, we were to see later in Rome—until we approached the shore singing boats laden with a motley chorus swarmed round the lightship and made up for the discord of their songs by the varied character of their costumes.

But why attempt the impossible task of trying to do justice to Naples in the short space of a single article? Have not men written volumes on the Farnese Bull or the Hercules? Is not every well-appointed library stocked with the history of this town from the days of the Greek emigrants at Parthenope to the present, when the civil government of Naples is held up as a warning to New Yorkers to show how vile Tammany methods are when carried to their logical conclusion. Let me quote just one statement:

"Naples has been truly described as a paradise inhabited by devils, but they are lively and amusing devils, insouciant and idle; always laughing except if thwarted, when they will stab their best friend without a pang. Almost everybody in Naples cheat, but they cheat in as lively and pleasant a manner as is compatible with possibility; nearly all the officers still peculate and probably not more than two-thirds of the taxes ever reach the public exchequer. If the traveller is robbed he will never secure redress, for as in Ireland, it would be impossible to obtain evidence or to find a jury sufficiently fearless to convict. As it is the universal custom amongst the lower orders to marry at seventeen, and Neapolitan women are proverbially prolific, the tall, narrow houses in the back streets swarm with children like rabbit warrens; whole families live huddled together without cleanliness or decency and

the air resounds at once with blows and cries, singing and laughter." It is a city of paradoxes, churches and criminals, pomp and poverty; superb natural surroundings and abysmal depths of moral degredation, with an ever-present strain of joyousness that ritual does not quench nor poverty subdue. In order then, that I may confine my story to its proper limits, let me leave the city and take only one or two of the numerous excursions within a stone's throw of its old and nearly overthrown walls.

Naples, besides its intrinsic attractions, and they are many, is a great centre for excursions, many of which we availed ourselves of. Let us take one to Sorrento and Capri, one of the loveliest spots in the world, where the great Italian-American novelist, Marion Crawford, has a villa. The blue grotto at Capri which you enter at low tide through an opening just large enough to admit a row boat with its occupants on the floor is unique and as your eyes get used to the transition from the brilliant Italian sun, you find yourself in a cave whose walls of stone and floor of rippling wave are sapphire the most soft and exquisite. Boys are ready to dive for a penny, and look like veritable blue fish swimming under the sea. Never shall I forget the lunch we had at Ana Capri soon after landing. Looking across the bay to Vesuvius, sitting as we were in an antique garden with ancient marble pillars around us, soft Italian music as requested played con amore, the delicious oranges picked right off the trees in the great orchards that line the mountain sides,—fruit fit for Gods, seasoned too, with an occasional draught of Moscato asti, whose bouquet ascended like incense to some ancient Bacchus, with steamer friends who had not yet separated, it was truly an ambrosial feast, and made us wonder how the Italian can leave such a paradise for the husks and dollars he works for here. Indeed, the Tarrantella which we saw danced at Sorrento gave us in brief the personification of the light-hearted, easy, graceful, care free existence that one associates with communities where nature has been so bountiful.

But this poetic place has historical associations that are not so pleasant as its vistas; for here Tiberius retired for his orgies and associated cruelty with his voluptuousness. From these high cliffs were thrown his enemies on to the bare blades of his soldiers underneath, and a story is told of him by Suetonius about a fisherman "who, coming on him unawares, offered him a mullet as a tribute. Tiberius ordered that the fish should be worn out on the face of the donor. As the man, whilst he was undergoing his punishment expressed satisfaction that he had not offered him also a large crab which he had likewise taken, he commanded that his face should also be torn with its claws."

From here Vesuvius makes the background of the Bay,—

"A mantle of light blue vapor, pure and rare,
Mounts scarcely seen against the bluer sky
In quiet adoration, silently—
Till the faint currents of the upper air
Dislimn it and it forms dissolving then
The dome, as of a palace, hung on high
Over the mountain."

Then came that majestic ride to Amalfi. Majestic not in equipage, nor horses, nor attendants, nor passengers, but in the glory of the sea on our right and towering above us the Mountains of Calabria; along a fine, graded road which in the distance looks like a little cornice on the mountain side along which ants were crawling as carriages and carts came into sight, with occasional torrents frothing and fighting their way back to the mother sea. There too were seen nature's masterpieces; beautiful children—so beautiful that you would not give them at once the coveted sou, for fear they would stop begging and you would thus lose sight of them forever.

But I find I am dropping into poetry and guide-book facts which I forswore when I started to give you this glimpse of the beginning of my holiday. What volumes could one write of Rome, Florence, Venice, Milan, Como, Switzerland, the Rhine, Paris, England, Scotland and the host of quaint or beautiful, all interesting places. Yes, one might write volumes or read volumes; there is only one way to appreciate, and that is to see. Remember then the sovereign remedy for that tired feeling—that panacea for monotony—not "See Naples and die," but "See Naples before you die" and visit the fountains of youth in Europe where Nature and Art, God and man have done so much to rejuvenate the American Argonaut.

Report of Five Cases of Gas (CO) Poisoning.

E. L. WHITNEY, M. D.,

Associate Professor of Physiological Chemistry, Baltimore Medical College.

The following cases of poisoning are reported more on account of the difficulties in the way of a proper diagnosis than on account of their rarity. The history briefly is as follows: On October 29th the neighbors found the entire family, consisting of the father and mother, aged respectively 40 and 39, and three children, a boy aged 10 and two girls, aged 6 and 8 years, lying in an unconscious condition upon the floor and bed of the parents' bedroom. A physician was hurriedly summoned, who concluded from the symptoms, including contracted pupils, that he had to do with a case of opium poisoning; administered atropine and then as the conditions were not favorable for treatment at their own home, sent them to the Hospital. The patients reached the Hospital about 8 A. M., the police bringing with them some sauer-kraut, which it was supposed might have something to do with the poisoning. The stomachs were thoroughly washed out, removing in each case a small amount of undigested food and a cloudy fluid containing a small amount of fat. The symptoms did not resemble those of opium poisoning nor were there gastro-intestinal symptoms such as might have been expected from ptomaines or from any of the irritant poisons. On inquiry as to the possibility of gas poisoning, we were told that the family did not burn gas though the house was provided with a gas supply, and that there had been no fire in the stove for some time. We were also told that there was no odor of gas in the rooms when the patients were found, and from these facts the probability of gas poisoning was apparently eliminated. The patients soon commenced to rally under the use of stimulants and were put in bed. The first urine passed was sent to the laboratory for examination, and was found to contain sugar in four of the five cases, the mother and the three children, the urine of the father containing no sugar but a moderate amount of albumen with numerous hyaline and granular casts, the specific gravity varying from 1020 to 1022 in the former cases, 1028 in the last mentioned.

During the afternoon there was an increase of temperature in all the cases, reaching about 102 degrees F., pulse-rate about 130 with a respiration of about thirty. The urine cleared up completely by the next day showing neither albumen or sugar in any of the cases.

The preliminary examination of the urine rendered the original theory of the police that it was a case of ptomaine poisoning improbable, and made it more probable that it was some condition which interfered with the proper oxidation processes of the body. The lungs were normal in all the cases, so that the condition must be sought for in the blood. A small amount of blood was removed from the

Read at the meeting of the Baltimore Medical and Surgical Society November 11th, 1901.

brachial vein of the man by means of a hypodermic syringe and on simple inspection showed a much brighter color than ordinary venous blood obtained in the same manner. A small portion was properly diluted and treated with a few drops of ammonium sulphide. The mixture was allowed to stand for a few minutes to allow complete reduction to take place and then examined spectroscopically. A combination of the single band of reduced haemoglobin with the double band of carbon monoxide haemoglobin was found which became more marked on dilution, the double bands of carbon monoxide haemoglobin remaining distinct after the band of reduced haemoglobin had become faint. As a further clinical test the diluted blood was treated with twice its volume of a solution of caustic soda, S. G. 1.3, according to the method of Hoppe Seyler and allowed to stand. Normal blood gives a greenish precipitate, while blood saturated with carbon monoxide gives a reddish precipitate when treated in this manner. Even when the proportion of haemoglobin to the carbon-monoxide haemoglobin is relatively large, the reddish tinge is clearly perceptible and was readily made out in this case.

While these examinations showed conclusively the presence of carbon-monoxide poisoning, it was thought best to exclude a possible mixed form of poisoning by testing the possible toxicity of the suspected food. The sauer kraut (about six ounces) was minced finely and given to a small dog by means of a stomach tube but gave rise to no bad symptoms, rendering the presence of any toxic material very improbable.

Fortified by the results of the chemical examination of the urine and blood, further inquiry was made as to possible sources of gas-poisoning. The father on close inquiry stated that on retiring the evening before he thought that he detected a faint odor of gas but dismissed the matter as of little importance. He also stated that on the same floor was a tailor shop, and he thought possible that the gas came from some charcoal left burning in the tailor shop. From the fact that those entering the room in the morning noticed no odor of gas it seems probable that this was the source of the poisoning.

The blood remaining after the chemical examination, was sealed up in a glass tube for preservation and shows now after the lapse of about two weeks the appearance described by Salkowski as very characteristic for carbon monoxide haemoglobin, viz., its marked resistance to the influence of putrefaction when protected from the influence of oxygen. The blood in this tube shows its bright arterial color almost as well now as when sealed.

In the further clinical history there is little of note except that in the man on recovering consciousness about noon it was found that he suffered from numbness and partial anaesthesia of the lower extremities and right arm, which finally passed away and he was discharged well on November 2nd. In none of the cases was there any diarrhoea and in only one of the children was there any vomiting, which may as well have been due to the passage of the stomach tube as to the influence of an irritant poison.

It is a matter of considerable interest to determine the cause of the temporary glycosuria in these cases. It can hardly be due to the lack of sufficient oxygen to carry on the oxidation processes in the body as we find often enough in severe cases of anaemia, as much decrease in haemoglobin and oxygen carrying capacity as we would expect to find in moderate degrees of poisoning such as these under consideration. The *sudden* decrease in the amount of functional haemoglobin may explain this difference. Hoppe-Seyler was of the opinion that the glycosuria was definitely the result of lack of oxygen.

Minkowski's view was that it is the result of some disturbance of the liver function, such as a possible sudden unloading of the liver glycogen with consequent hyper glycaemia. He bases this assumption upon the fact that there is also an enormous increase in the amount of lactic acid in the blood and in the urine, which also occurs as the result of liver extirpation in animals.

Another theory which partly includes that of Hoppe-Seyler is that it is due to a disturbance of the metabolism both of carbohydrates and of proteids and that this disturbance has to do primarily with the muscle metabolism. Whether this has to do primarily with the muscle chemistry or is partly due to disturbed nervous impulses is not decided.

Temporary glycosurias also occur as the result of poisoning with other substances which render a portion of the haemoglobin incapable of carrying oxygen, such as in the toxaemias from the nitrites, amyl alcohol and many of the coal tar derivatives, which convert a portion of the haemoglobin into methaemoglobin.

Foot-Ball.

THE foot-ball season of 1901 has not been one of unqualified success for the Baltimore Medical College. It is true we overcame our earliest and most persistent rival for foot-ball honors the University of Maryland and held the city championship so far as school teams are concerned. Otherwise we have not much of which to boast, as we did not win many other games. Our misfortunes began early with injuries to Noble and Noland and the failure of Blair to show up at the beginning of the season. In addition to this McGovern took sick and this left us without regular half-backs. In spite of this we won our opening game with Western Maryland and played a very creditable game with the Yale substitutes. Yale, 5, B. M. C., 0. Our next experience, however, at Homestead will not soon be forgotten—we were defeated by the score of 41 to 0 and our defeat was intensified by the crippling of our men, nearly every man on the team suffering more or less. The chances for winning the next game looked bad but unexpectedly we gave them, the University of Maryland, the worst beating we ever gave them—18 to 0. This makes the 4th game between the teams with scores as follows: 1897—Univ. of Md. 24, B. M. C. 0, 1898—no game. 1899—B. M. C. 12, Univ. of Md. 6. 1900—B. M. C. 17, Univ. of Md. 6. 1901—B. M. C. 18, Univ. of Md. 0. —The Maryland Athletic Club having gathered together a star aggregation, defeated us, 16 to 6, beside crippling up the rest of our men, the loss of Hebb and Jennings being especially felt. We played Gettysburg with what was practically our "scrub" team and lost, 29 to 0. (The score last year was, B. M. C. 11, Gettysburg 0). The game which was scheduled with Georgetown was cancelled by them after our men had gone to Washington and dressed for the game and had gone on the field. Our last game, that with Gallaudet, played on Thanksgiving Day, was a hard fought game by both sides. No scoring being done on either side. When the many unfortunate accidents to nearly every member of the team are considered, the team may be said to have had a successful season. Certainly no fault can be found either with the coaches or the men. The whole student body supported the team with surprising spirit considering our misfortunes. The loss of Turner, Scannell and Jennings from our line will be felt very much next year, but we hope that the ill-luck which has followed us this year is now broken and that next year's team may win fresh laurels for our Alma Mater..

Dr. Geo. C. Wegefarth ('97) was married in November to Miss Wiessner of Baltimore.

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Our reunion in April is a success already. We are still receiving favorable answers to our letters and all indications point to a large attendance. Men who have not been in Baltimore since graduation are coming again to meet their old comrades and see our growth. Many of our Alumni who graduated prior to 1894 (the year in which our first new building was built) will be surprised at our splendid facilities. The program committee will arrange an interesting program and we are anticipating great pleasure during our commencement week. Let every alumnus come and enjoy himself.

The letter from Dr French to the Alumni Association suggesting the formation of a medical society by the Alumni is one which merits the attention of the members of the association. Some years ago such a society was formed by the adjunct society but it was not a success, chiefly because of the want of organization of our Alumni Association. A society started at this time should have a much better chance of success, and we hope that it may be established. We would suggest to the President and Executive Committee of the association that steps be taken at once to investigate the probable chances of success through a committee which should present a report of its work at the spring meeting.

One of the matters which should engage the attention of the association is the establishing of branch societies in the various states. In many of the states large numbers of our Alumni are located. In Massachusetts for example there are more than one hundred of our graduates—enough to form a splendid society and have successful meetings. We hope that this matter may be considered and some definite action taken. This matter has been agitated before but as yet without result.

Alumni Notes.

Dr. Arthur Hebb ('98) is meeting with good success in East Baltimore—Dr. Hebb was appointed one of the staff of the Eastern Dispensary this spring. Drs. Tumbleson ('01) and Kirk ('96) are also members of the staff of this Dispensary.

Dr. G. L. Gouchenour ('90) of Moorefield, W. Va., paid us a visit this fall. The Doctor looks like a successful man and reports concerning his progress prove that he is doing very well. He subscribed for the Alumni Journal.

Dr. H. C. Collins ('92) not being satisfied with his five years among the heathens in China has now elected to pass some years in the wilds of Idaho. He spent part of his holidays this summer in Hot Springs, Col., and was much pleased with his cordial reception by Dr. Pat Barry ('93) who has a large practice in that city.—Dr. L. H. Barry ('91) is practicing at Durango, Mexico, but notwithstanding the distance promise to attend our reunion in April if possible.

Dr. Rozell Berryman ('93) has completely recovered from the very serious attack of appendicitis from which he suffered this fall. The Doctor has not begun practice, but is still teaching in the Baltimore schools.

Dr. Malcolm McCallum, Assistant Resident Physician at the Maryland General Hospital, has resigned. Dr. M. D. Cure ('01) has been appointed to succeed him.

Dr. Robert Reuling has returned from an extended trip abroad. He spent a large part of the summer in Berlin.

Dr. H. V. Tweedie ('91) is stationed at Fort Gibbon, Alaska. Dr. Tweedie is not too far away to be interested in our Alumni reunion and writes encouragement and kind wishes. He intends to return during next summer and spend the winter of 1902–3 in post-graduate work.

Dr. Chas. J. Wivell, 258 E. Market st., Wilkesbarre, Pa., has been appointed Resident Physician at Mercy Hospital for the ensuing year.

Dr. W. K. French (1901) of Worcester, Mass., having passed a successful examination has been elected to membership in Massachusetts Medical Society. We look forward with great pleasure to Dr. French's promised visit in the spring.

Dr. W. T. Slayton ('94) of Hyde Park, Vt., took a post-graduate course at Harvard University, '95–6. He spent three weeks at the Baltimore Medical during October of this year. We have excellent reports of his successful work.

Dr. R. E. Schindel ('97) is located at South Omaha, Neb. He is filling the chair of Diseases of the Stomach at the Creighton Medical College

Dr. C. F. Dawson ('92) who was for several years connected with the United States Agricultural Department, has been appointed chief of the Florida Agricultural College and Experiment Station at Lake City, Fla.

It was not reported to us until recently that Dr. C. J. Jordan ('93) had died of tuberculosis in 1898 at Bradford, N. H.

Dr. G. C. Shannon (1883) is arranging a reunion of his class to take place at the time of our Alumni reunion next spring. He has already positive assurance of the attendance of seven members of the class.

To the Members of the Alumni Association of the Baltimore Medical College.

Last April at the annual meeting the subject of the formation of a Medical Association among the Alumni of the college was brought up for discussion and it was voted to lay the matter on the table.

Prof. David Streett at that time thought that there were too many medical meetings at present. He very concisely summed up the situation in those few words; but already consolidation of medical societies has begun. In both Maryland and Massachusetts, to my knowledge, it is going on.

Nevertheless it is my belief and I think from the trend of opinion last April there are others of the same opinion as myself, that an Alumni Medical Association would be beneficial to its members.

Now I would suggest a means out of this difficulty, and that is this: that such an association be formed, but that only two meetings be held the first year; one during the fall, and one during the spring.

By thus limiting the number of meetings an interesting discussion could be arranged at each meeting; and coming only twice a year would not seem burdensome to the members.

The present tendency to consolidation puts most of the discussion into the hands of the older members of the profession.

The formation of an Alumni Medical Association, would from the nature of the association give the younger generation in the society a chance to enter into the discussions.

I have put this matter in this form simply to give a focus for the discussion of the members of the association, and the points mentioned are intended simply as suggestions.

Hoping that this short communication may prove of interest to the Alumni of the Baltimore Medical College, I remain,

Very respectfully yours,

WARREN K. FRENCH, M. D.,
173 Main street,
Oct. 11, 1901. Worcester, Mass.

Partial List of Alumni of Baltimore Medical College.

Abbott, L. M. ('98).....Marion, Va.
Abel, W. C. (1901)..Maryland General Hospital.
Ackley, D. B. (1901).....Monsey, N. Y.
Adams, W. C. ('96).....East Wareham, Mass.
Adlington, Stephen ('96).....Newport, Mass.
Aldrich, C. R. (1901).....Brattleboro, Vt.
Aldrich, C. (1901).....Paris, Me.
Ahlborn, Lewis ('95).....Waverly, W. Va.
Alexander, E. C. ('92).....St. Clairville, Ohio.
Alexander, T. B. (1901)....New Bedford, Mass.
Allen, F. L. ('97).....Pen Yan, N. Y.
Allen, W. B. ('98).....Little Rock, S. C.
Allen, J. J. (1901).....Franklin, Pa.
Allison, J. G. ('95).....Leegar, Pa.
Allport, J. E. ('97).....Streetsboro, Ohio.
Altree, G. H. ('92).....Sanford, Fla.
Ambrose, S. E. ('98).....Rural Valley, Pa.
Anderson, G. R. ('90).....McMillan, I. T.
Angell, F. C. ('94).....Randolph, Vt.
Anthony, H. E. (1901).....Locke, N. Y.
Archibald, W. H. ('95),
360 W. 50th St., New York, N. Y.
Arble, E. T. ('98).....Carrollton, Pa.
Arnold, G. F. (1900), Baltimore Medical College.
Arthur, F. M. (1901).....Wright, N. Y.
Aulick, M. A. (1901).....Poplar Grove, Ky.
Ausley, C. M. (1901).....Iron City, Ga.
Austin, J. W. ('91).....Blount, Va.
Averill, E. L. ('98).....Sudbury, Vt.
Averitt, K. G. ('93).....Cedar Creek, N. C.
Ayers, Wilmot ('83), 1839 6th St., Hornsburg, Pa.

Bain, S. A. ('94)..619 Biddle St., Baltimore, Md.
Bainter, H. H. ('93).....Dresden, Ohio.
Bainter, R. B. ('93).....Adamstown, Ohio.
Baker, A. J. ('95).....Duryea, Pa.
Baldwin, M. E. (1900).....Homestead, Pa.
Ballard, S. E. ('99)..Salt Sulphur Springs, W. Va.
Bannon, J. H. ('98).....Lawrence, Mass.
Barker, J. W. ('98).....Rural Valley, Pa.
Barlow, C. A. ('96).....Cricord, W. Va.
Barnes, Noble P. ('93),
212 Maryland Ave. N. E., Washington, D. C.
Barry, L. H. ('91).....Durango, Mex.
Barry, Patrick ('84).....Hot Springs, Ark.
Bartlett, Delancy ('97).....Fayettesville, N. Y.
Bartley, W. M. ('95).....Waterford, Ohio.
Bates, B. D. ('93).....Clifton, S. C.
Baum, E. A. ('95).....Greensboro, N. C.
Beaulieu, F. X. H. (1900),
17 Pleadwell St., Taunton, Mass.
Bebout, T. W. ('97).....Long Hill, N. Y.
Beck, J. E. ('90).....Clarion, Pa.
Beebe, Linn C. ('95).....Brookfield, N. Y.
Bennett, J. B. ('89),
23 S. Broadway, Baltimore, Md.
Benson, W. H. ('98).....Germantown, Md.
Berryman, Rozell ('93),
1516 H St. N. W., Washington, D. C.
Beydler, B. F. ('96).....Spring Creek, Va.
Bigelow, Chas. T. ('97).....Windham, Iowa.
Bitting, B. T. ('95).....Mizpah, N. C.
Bixler, J. M. ('96).....Westminster, Md.
Bize, L. A. ('95).....Columbus, Ga.
Black, J. S. ('92).....Etheridge, S. C.
Blackburn, T. C. ('96).....Zionville, N. C.
*Blake, J. D.,
1012 W. Lafayette Ave., Baltimore, Md.
Blanchette, W. H. ('96),
142 Brighton St., Fall River, Mass.
Bogartus, F. A. ('94).....Canaan, N. H.
Bolt, J. L. ('95).....Pickens, S. C.
Bolte, J. E. ('91).....Hampstead, Md.
Bonnett, J. A. ('90),
Charles Street Ave. Ext., Baltimore, Md.
Bonney, C. H. ('95).....Ludlow, Vt.
Booth, W. G. ('98).....Santiago, Cal.
Bosworth, A. S. ('93).....Elkins, W. Va.
Bosworth, Perry ('92).....Huttonsville, W. Va.
Boucher, R. P. ('96),
57 Academy Ave., Providence, R. I.
Bowman, L. J. ('93).....Carroll, Iowa.
Bowman, M. H. ('92),
2111 Ashland Ave., Toledo, Ohio.
Boyd, C. L. (1901).....Greenville, Tenn.
Boyd, C. E. ('92).....Newton, Iowa.
Boyer, J. F. ('82).....Palestine, W. Va.
Boyer, T. J. ('87).....Clearfield, Pa.
Boyte, E. C. ('93).....Mount Holly, N. C.
Brady, A. P. ('98)....241 E. 19th St., New York.
Bradley, W. B. ('93).....Hodges Ferry, Va.
Brannin, C. W. ('97),
402 Hanover St., Baltimore, Md.
Briggs, F. T. ('97).....Medfield, Mass.
Brigham, F. E. ('98).....Springfield, Mass.
Brooke, Roger (1900).....Sandy Spring, Md.
Brown, C. A. ('97).....Ludlow, Vt.
Brown, E. F ('97).....Groveton, N. H.
Brown, G. L. ('94).....Fort Hunter, Pa.
Brown, J. R. ('92).....Converse, S. C.
Brown, M. H. ('93).....Morgantown, W. Va.
Brown, M. J. ('96).....New Bedford, Mass.
Brown, T. B. ('97).....Columbia, Tenn.
Brown, W. W. ('91).....Blackstone, Mass.
*Brown, A. Lee...13 North St., Baltimore, Md.
Browning, A. W. ('97).....Elloree, S. C.
Browning, Ralph ('97).....Ada, Ohio.
Brownrigg, A. E. ('97),
New Hampshire Asylum, Concord, N. H.
Bruch, E. C. ('91),
46 Hanover St., Bethlehem, Pa.
Brundage, E. M. ('96)..Upper Greenwich, Can.
Bryan, Geo. C. ('96).....Orange, Cal.
Buck, C. J. ('91).....Warren, Mass.
Budeker, Wm. ('93),
914 W. Fayette St., Baltimore, Md.
Budwig, M. ('98)..150 2d Ave., New York, N. Y.
Burby, J. E. ('95).....Fort Edward, N. Y.
Burlington, J. A. ('91).....Duryea, Pa.
Burnett, D. L. ('90).....South Royalton, Vt.
Burns, W. Clyde ('90),
Aisquith and Fayette Sts., Baltimore, Md.
Burriss, I. J. ('98).....Oakway, S. C.
Burton, W. E. ('97),
Baltimore Medical College Dispensary, Md.
Burtt, E. D. (1900).....North Woodstock, N. H.
Burroughs, G. M. (1900).....Madison, Conn.
Bush, W. D. ('93).....Lake City, Fla.

Caffrey, A. J. ('98),
827 Sycamore St., Milwaukee, Wis.
Caldwell, A. F. ('96).....New Bedford, Mass.
Caldwell, W. E. ('94).....West Suffield, Conn.
Calhoun, G. O. ('86),
Gohenville, Armstrong Co., Pa.
Calkins, I. R. ('96).....Springfield, Mass.
Cameron, V. V. ('99), 371 Maple St., Marion, Ind.
Campbell, W. B. ('97).....Harrisonville, Pa.

*Honorary member of Alumni Association.

Canan, C. W. ('91).....Orkney Springs, Va.
Carman, F. F., Ph.G. (1901),
125 Walnut St., Mont Clair, N. J.
Carpenter, P. T. ('94).....Courtland, N. Y.
Carr, C. A. ('90)....Corning, Steuben Co., N. Y.
Carrigan, E. S. ('97).....Point Pleasant, N. J.
Carroll, W. L. ('94).....Toronto, Ohio.
Caskins, Langdon ('92),
4224 Walnut St., Philadelphia, Pa.
Cassard, Stewart ('96).....Arlington, Md.
Casto, D. C. ('99).....Rockport, W. Va.
Cavanaugh, M. F. ('98)....North Adams, Mass.
Cawley, E. G. (1900).....Hill, N. H.
Chapin, H. A. ('95),
Chapin Block, White Hall, Ill.
Chapman, B. A. ('95).....Springfield, Vt.
Chapman, G. A. ('97).....Glen Falls, N. Y.
Chapman, V. A. ('98).....West Unity, Ohio.
Chase, R. M. ('90).....Bethel, Vt.
Chausse, Arthur (1900).....New Bedford, Mass.
Chellis, E. D. ('96).....Gorham, Me.
Chellis, E. O. ('96).....Woodfords, Me.
Chrystal, H. M. (1901).....Ayer, Mass.
Clark, G. S. ('97),
56 W. 98th St., New York, N. Y.
Clarkson, W. F. ('98),
269 Norman Ave., Brooklyn, N. Y.
Cobun, L. W. ('98).....Masontown, W. Va.
Coburn, I. S. (1901).....Milton, Vt.
Cochrane, C. S. (1900).....Farmington, W. Va.
Cogan, J. F. ('92).....Yellow Creek, Pa.
Cole, E. I. ('96).....Henniker, N. H.
Cole, H. B. ('93).....Bel Air, Mo.
Cole, J. H. ('98).....Waltham, Mass.
Cole, J. Wesley ('93),
1321 S. Charles St., Baltimore, Md.
Collins, H. Clinton ('92),
University of Virginia, Charlottesville, Va.
Comerer, J. A. ('97).....Nanty Glo, Pa.
Conduff, S. J. ('98).....Willis, Va.
Cook, C. M. ('93),
Myrtle Ave., near Hoffman St., Baltimore, Md.
Cooper, W. G. ('94),
State Hospital, Toledo, Ohio.
Cookman, C. L. ('98).....Johnstown, W. Va.
Cooney, Daniel C. ('96).....Stockton, Texas.
Corbin, L. Carroll ('94),
160 Jefferson St., Passaic, N. J.
Corbett, E. G. ('93).....Columbus, Ohio.
Cosner, P. H. ('96).....Bladensburg, Ohio.
Cox, J. A. ('96).....Peabody Building, W. Va.
Craig, P. E. ('97),
Edmondson near Arlington Ave., Balto., Md.
Cranston, B. S. ('93).....Rudolph, Ohio.
Crawford, L. A. ('92).....Hopedale, Ohio.
Crawford, G. M. ('92).....Jobs, Ohio.
Crawford, W. L. ('97).....Talbot, Tenn.
Criswell, D. M.. ('92).....Plainfield, Ohio.
Crofts, W. M. ('98).....North Adams, Mass.
*Crouch, J. Frank,
412 Cathedral St., Baltimore, Md.
Crowell, L. A. ('92).....Lincolnton, N. C.
Crowley, J. F. ('94).....North Adams, Mass.
Culton, Albert ('97).....Stellarton, N. C.
Cummings, W. E. ('92).....Skowegan, Me.
Cure, M. D. (1901)..Maryland General Hospital.
Curry, A. W. ('97).....Dunlop, W. Va.
Custer, H. J. ('95).....Johnston, Ohio.

Dame, F. R. ('97).....Medford, Mass.
Darby, L. F. ('98).....Riverpoint, R. I.
Dare, F. T. (1900).....Wellsburg, W. Va.
Daugherty, T. E. ('98),
1649 N. Fulton Ave., Baltimore, Md.
Davis, J. C. ('89).....St. Michaels, Md.
Davis, P. D. ('96).....New Bedford, Mass.
Davis, W. A. ('98),
424 N. Greene St., Baltimore, Md.
Dawson, C. F. ('92),
3333 Beach Ave., Hampton, Baltimore, Md.
Deem, S. P. ('93).....Tuppers Plains, Ohio.
DeForest, C. W. ('96).....Sardis, W. Va.
Diament, E. L. ('97).....Bridgeton, N. J.
Dickerson, J. D. ('92).....Stockton, Md.
Dildine, F. C. ('97)..Port Jefferson, L. I., N. Y.
Diller, Ira D. A. ('98).....York Springs, Pa.
Doble, E. H. (1900).....Presque Isle, Me.
Dobyns, Fred ('94),
Madison Ave., near Dolphin St., Balto., Md.
Dodge, C. L. ('90),
651 Macon St., Brooklyn, N. Y.
Dodson, C. M. ('83),
Linden Ave. and Hoffman St., Balto., Md.
Donelly, R. J. ('97), 27 S. 13th St., Newark, N. J.
Donnmeyer, E. A. ('96).....Conemaugh, Pa.
Dorsey, Frank (1901).....Stevenson, Md.
Dowd, M. J. (1901)....Box 72, Colchester, Conn.
Downes, A. E. ('97).....Fairfield, Me.
Duane, Geo. L. ('96),
Eutaw St., near Madison Ave., Baltimore, Md.
Duhaime, Geo. L. ('96),
1204 Pleasant St., Fall River, Mass.
Dunbar, F. C. ('93),
3082 Washington St., Boston, Mass.
Dundon, A. H. (1900).....Plainfield, N. J.
Dunn, S. J. ('96),
587 Maine St., Springfield, Mass.
Dunnick, J. N. ('99).....Stewartstown, Pa.

*Earle, S. T.,
Linden Ave. and Mosher St., Balto., Md.
Echols, W. E. ('98).....Mononga, W. Va.
Edgar, A. F. ('90).....Providence, R. I.
Edmunds, G. F. ('92).....Boston Landing, Vt.
Edwards, Edwin S. ('98)...West Carlisle, Ohio.
Edwards, W. E. ('96).....Warrentown, Ga.
Ellerbrock, C. F. (1900),
1921 E. Pratt St., Baltimore, Md.
Ellis, E. Dorsey ('90),
733 W. Fayette St., Baltimore, Md.
*Ellis, R. H. P..1714 Park Ave., Baltimore, Md.
Elmergreen, Ralph ('92)....New Holstein, Wis.
Emerson, Geo. S. ('97).....Hamstead, Vt.
English, J. W. ('97).....Point Pleasant, Pa.
English, R. J. ('98).....Rocky Mount, N. C.
Ensor, W. E. (1900).....Cockeysville, Md.
Ernst, H. W. ('97).....Punxatawning, Pa.
Erskine, De Marr ('93).....Wintersville, Ohio.
Etienne, Jr., A. O. ('96).....Springfield, Mass.
Evans, H. C. ('93).....Wellston, Ohio.
Evans, E. B. ('97),
Henderson Block, Fargo, N. D.
Evans, G. P. ('95),
833 N. Fulton Ave., Baltimore, Md.
Evans, James ('97).....Wanamie, Pa.
Eyestone, A. G. (1900).....Tiffin, Ohio.

Fairing, J. W. ('98).....Syracuse, N. Y.
Falby, F. R. ('97).....Charlotte, Vt.
Falvey, E. J. (1901).....Worcester, Mass.
Faucette, T. S. ('92).....Oxford, N. C.

*Honorary member of Alumni Association.

Fassett, B. W. ('98)..Cross Roads Church, N. C.
Fain, A. (1900)..1080 Halsey St., Brooklyn, N. Y.
Feldman, M. (1901),
164 Madison St., New York, N. Y.
Fernald, A. M. ('98).....Sutton, N. H.
Fish, Lewis ('98).....Fitzburg, Mass.
Fish, Ralph ('94).....Oakdale, Mass.
Flautt, C. F. (1901),
1224 Pennsylvania Ave., Baltimore, Md.
Fleich, Oscar ('97),
2626 Atlantic Ave., Brooklyn, N. Y.
Fleming, F. T. (1901),
253 Beaumont St., Wilkesbarre, Pa.
Flippen, R. E. L. ('92)....Pilot Mountain, N. C.
Forien, W. F. ('99),
303 Falls Road, Hampden, Baltimore, Md.
Foster, J. H. ('87).....Lewisburg, N. C.
Foster, G. A. ('91).....Oakdale, N. C.
Fowler, C. O. ('98).....Kennesaw, Ga.
Fox, F. E. (1901).....Walcott, N. Y.
Fritts, S. A. ('93).....Delaware City, Del.
Frozier, H. H. ('93).....Moscow, Mich.
Freeman, E. B. (1900),
517 Scott St., Baltimore, Md.
Freeman, T. O. ('98).....Mattoon, Ill.
French, W. K. (1900),
173 Maine St., Worcester, Mass.
Frey, Lewis ('88),
2466 Druid Hill Ave., Baltimore, Md.
Friedlander, B. ('98).....Sebewaing, Mich.
Friedman, Morris ('96),
Fulton St., New York, N. Y.
Friedman, W. L. ('97).....Alameda, Cal.
Gabriel, C. N. ('97),
222 E. 23d St., Baltimore, Md.
Gainard, H. E. ('96).....Bergen, N. Y.
Gardner, J. H. ('92).....Westminster, Md.
Garland, C. F. ('98)....South Wakefield, N. H.
Garrett, F. D. ('98).....Gainesville, Texas.
Gavitte, E. B. ('97).....Wanamie, Pa.
Geen, James S. ('96).....Bath, N. Y.
Gelineau, O. C. ('94),
135 Main St., Indian Orchard, Springfield, Mass.
George, H. L. ('90), 791 Broadway, Albany, N. Y.
Gerold, L. J. (1901),
58 Jackson St., Plainfield, N. J.
Gettier, Harry E. ('97).....Littlestown, Pa.
Gibbons, W. H. ('84),
Croom, Prince George's Co., Md.
Gibson, James H. ('93).....Wequiock, Miss.
Gilbert, C. W. ('92).....Glenelg, Md.
Gillett, H. ('90),
712 2d St. N. W., Washington, D. C.
Gilman, Charles S. ('96).....Suncook, N. H.
Giourard, Arthur ('99).....Monville, R. I.
Glancy, C. A. ('94).....Pawtucket, R. I.
Glantz, F. A. (1901),
1020 Hillen St., Baltimore, Md.
Glasgow, G. M. ('90).....Calvin, Pa.
Gleason, D. A. ('96).....East Windsor, Conn.
Goff, F. R. ('90).....Sangerville, Me.
Goldman, Gustav ('95),
2005 Eastern Ave., Baltimore, Md.
Good, B. F. (1900).....Rohrerstown, Pa.
Goodrich, E. P. ('96)....South Newburgh, Me
Goodrich, H. E. ('96).....Port Hall, Md.
Goodwin, G. E. ('86).....Johnstown, Vt.
Gordon, J. R. ('91).....Jamestown, N. C.
Gorman, S. C. ('96).....Broadford, Pa.
Gorsuch, S. M. (1901),
Maryland Lying-In Hospital, Baltimore, Md.
Goss, R. J. ('96).....Hartford, Vt.
Gouchenour, G. L. ('90).....Mauristown, Va.
Gohn, G. S. ('97)..232 High St., Dayton, Ohio.
Gowans, E. G. ('97).....Tooele, Utah.
Grady, Richard ('88).....Baltimore, Md.
Grady, P. A. S. ('97)...High St., Clinton, Mass.
Grady, T. H. (1901), 59 Chase St., Clinton, Mass.
Graham, J. A. ('97),
Carolina, Estado de Marauhan, Brazil.
Graham, J. V. ('96).....Piedmont, W. Va.
Grantham, J. M. ('98).....Tampa, Fla.
Greely, G. H. ('91)....Thornstons Ferry, N. H.
Greely, J. T. ('91).....Thornstons Ferry, N. H.
Greenfield, A. W. ('92).....Westfield, Pa.
Gregg, M. E. ('96).....Barnes Corners, N. Y.
Grempler, E. F. ('89),
517 Scott St., Baltimore, Md.
Griffith, W. S. ('98).....Confluence, Mass.
Grim, W. E. ('98).....West Findlay, Ohio.
Gwin, R. C. ('95).....Mobile, Ala.

Hagenow, L. K. ('98)..South Manchester, Conn.
Haines, F. G. ('95).....Warren, Pa.
Hall, F. M. ('97).....Orem, N. Y.
Hall, S. T. ('95).....Morgantown, W. Va.
Hamilton, J. H. ('96).....Corsicana, Texas.
Hamlin, W. E. ('97).....Waltham, Mass.
Hammersley, W. L. ('98)..West Lafayette, Ohio.
Hammond, H. M. ('93).....Amesville, Ohio.
Hamrick, L. H. (1901),
1052 Myrtle Ave., Baltimore, Md.
Hanna, R. C. ('96).....Steubenville, Ohio.
†Harman, C. E. ('93).....Delphos, Ohio.
Harsh, H. E. (1901).....Carrollton, Ohio.
Harris, C. E. ('97).....St. Johnsbury, Vt.
Harryman, H. G. ('88),
1512 E. Preston St., Baltimore, Md.
Hart, H. D. ('93).....Harrison Valley, Pa.
Hartigan, J. W.....Morgantown, W. Va.
Hartsell, F. E. ('95).....Concord, N. C.
Hartwell, J. E. ('91).....Basham, Va.
Hawkins, Vallie ('94).....Fawn Grove, Pa.
Hawley, D. C. ('92).....Parkton, N. C.
Hebb, Arthur ('98),
222 S. Chester St., Baltimore, Md.
Hedges, F. L. ('96).....New Straitsville, Ohio.
Hein, E. T. ('88).....Palouse, Wash.
Helm, J. A. ('92).....Metropolis, Ill.
Hempel, J. F. ('94),
Valley St., near Chase, Baltimore, Md.
Hemphill, W. E. ('92).....Arden, N. C.
Henkle, E. J. (1901),
75 Frost St., Brattleboro, Vt.
Hennigh, Geo. B. ('91).....Troutville, Pa.
Herman, S. J. (1901),
1616 W. Fayette St., Baltimore, Md.
Herring, Arthur P. ('96),
2112 McCulloh St., Baltimore, Md.
Hewitt, C. E. ('97),
796 State St., Springfield, Mass.
Hill, Charles I. ('99).....Arlington, Md.
*Hill, Charles G.....Arlington, Md.
Hill, P. W. ('91).....Lewiedale, S. C.
Hobelmann, F. W. (1901)....Berlin, Germany.
Hodskins, E. B. ('93).....Springfield, Mass.
Hodges, J. W. ('92),
201 2d St. S. E., Washington, D. C.
Hoechst, H. B. (1901).....Westport, Md.
Hoffman, Cary ('99).....Alderson, W. Va.
Hogan, J. M. ('93).....Martins Ferry, Ohio.

*Honorary member of Alumni Association.

Hollar, O. L. ('92).....Catfish, N. C.
Hollis, M. D. ('98).....Buena Vista, Ga.
Hood, M. B. (1900),
16 S. Gilmor St., Baltimore, Md.
Hooper, M. L. ('89),
1340 S. Charles St., Baltimore, Md.
Hoover, H. R. ('91).....Black Creek, N. C.
Hopkins, H. D. (1901)..Waterbury Centre, Vt.
Horseley, A. S. ('91).....Knoxville, Tenn.
Hotaling, F. M. ('96).....Lima, Ohio.
Houlton, S. S. ('97)..Walbrook, Baltimore, Md.
Howe, William ('98).....Keech, Pa.
Howell, Geo. L. ('96).....Worthington, W. Va.
Howell, L. P. ('93).....Milledgeville, Ohio.
Hoyt, R. L. ('98).....Oriole, Md.
Huber, J. G. ('98),
1714 Fulton Ave., Evansville, Ind.
Hudson, J. H. ('92).....Dardanelle, Ark.
Hudgel, C. R. ('93).....
Hughes, L. ('82).....Denison, Ohio.
Hunt, B. F. ('97).....Clearfield, Pa.
Hunt, C. B. ('91).....Ellora, Pa.
Hunter, W. M. ('92).....Middlepoint, Ohio.
Huse, V. ('98).....Livingstoneville, N. Y.
Husted, J. M. ('97).....Clayton, N. J.
Hutchinson, W. L. ('97).....Anderson, S. C.

Infield, T. H. ('97).....Hartford, Ohio.
†Ingersoll, W. K. ('97).....Elmira, N. Y.
Ivie, Geo. M. ('93).....Stoneville, N. C.
Ivers, R. W. ('95).....Springfield, Mass.

Jackson, B. H. ('98),
106 Hanover St., Wilkesbarre, Pa.
Jeffers, J. G. ('95),
401 N. Carrollton Ave., Baltimore, Md.
Jenkins, J. C. ('88).....Ridge Spring, N. C.
Jennings, W. J. ('98).....Iron City, Ga.
Jernegan, C. S. ('97).....White Plains, Ga.
Jewitt, Matthews ('83).....Downsville, Va.
Johnson, A. C. ('97).....Garfield, Ga.
Johnston, J. B. ('94).....Providence, R. I.
Johnson, J. T. ('92).....Cumberland, Md.
Johnson, J. W. ('92).....Nelsonville, Ohio.
*Johnson, R. W.,
101 W. Franklin St., Baltimore, Md.
Johnson, W. J. ('96).....Ackermanville, Pa.
Jones, E. E. ('84).....Arlington, Md.
Jones, C. Frank ('95),
Fulton and North Aves., Baltimore, Md.
Jones, Eugene ('96).....Kensington, Md.
Jones, E. A. P. ('92).....Wingate, Md.
Jones, E. L. ('98).....Indiana, Pa.
Jones, William E. ('93),
Avondale, Newfoundland, Can.
Judd, James M. ('97).....Enno, N. C.
Judkins, E. H. ('92).....Wiscasset, Me.
Judkins, J. H. ('93).....Northfield, Vt.

Kazanjian, H. B. ('98).....Sivas, Turkey.
Keaney, H. J. (1901),
St. Joseph's Hospital, Baltimore, Md.
Keating, J. J. ('98),
129 E. 39th St., New York, N. Y.
Keeler, Chas. E. ('97).....Elderton, Pa.
Kell, Elmer A. (1900).....Baltimore, Md.
Kelly, J. T. ('93).....Moore's Store, Va.
Kelley, Michael ('97)....Warehouse Point, N. Y.
Kennard, K. S. ('99),
U. S. Marine Hospital, Stapleton, L. I., N. Y.
Kennedy, G. W. ('97).....Sharon, Pa.
Kent, O. A. ('95).....Waverly, W. Va.
Kenyon, R. B. ('95),
420 N. Greene St., Baltimore, Md.
Keown, T. W. ('95),
1938 Linden Ave., Baltimore, Md.
Ketchum, F. G. ('97),
318 W. 84th St., New York, N. Y.
Kilpatrick, M. M. ('92).....White Plains, Ga.
King, I. N. ('97).....Prince Frederick, Md.
Kirk, G. B. ('98).....Luthersburg, Pa.
Kirk, R. S. ('96),
1610 E. Baltimore St., Baltimore, Md.
Kisler, J. G. ('88).....Lynnville, Pa.
Kling, F. B. ('96).....Williamstown, Pa.
Klonk, F. W. M. ('94).....San Francisco, Cal.
Kludjian, A. H. ('94),
Red Cross Hospital, New York.
Knapp, L. V. ('97).....Danbury, N. H.
Knight, W. P. ('98).....Haw River, N. C.
Koser, S. B. ('91).....Mountville, Pa.
Kunkleman, D. R. (1900).....Greenville, Pa.

Laird, J. W. ('91).....Passadena, Cal.
Lahmers, F. ('98).....Rogersville, Ohio.
Lamar, A. A. ('98).....Middletown, Md.
Lariew, F. J. ('98).....Asbury, N. J.
Lartigue, E. ('97).....Gainesville, Fla.
La Rue, A. A. (1901).....Putnam, Conn.
Laughlin, C. (1901).....Steubenville, Ohio.
Lawlor, J. J. ('97),
477 Essex St., Lawrence, Mass.
Lawlor, J. P. ('98),
1018 N. Eutaw St., Baltimore, Md.
Lawrence, A. A. ('98).....Millville, Mass.
Lawrence, W. E. ('96).....Wooster, Vt.
Layer, W. A. ('95).....Hill Grove, Ohio.
Lee, C. M. A. ('89),
Stephens Villa, Newport, R. I.
Lecroy, M. M. ('91).....Sallegs, S. C.
Lee, J. C. ('97).....Balleboy, Pa.
Leedy, C. V. ('96).....Huntingdon, Ind.
Leverson, M. R. ('93),
96 Hamilton Ave., Brooklyn, N. Y.
Lewis, A. H. ('95).....Braddock, Pa.
Lewis, M. B. ('96), Yarmouth, Nova Scotia, Can.
Lightner, H. O. ('96).....Marysville, Pa.
Lindabury, A. A. ('86).....Scranton, Pa.
Lindley, W. R. ('98)...Sulphur Springs, Texas.
Link, W. S. ('97).....Parkersburg, W. Va.
Livingood, C. F. ('96).....Jenners, Pa.
Link, C. H. ('98), 91 Charlotte St., Utica, N. Y.
Link, F. C. ('90),
1702 N. Fulton Ave., Baltimore, Md.
Linton, E. L. ('98),
190 Sheridan St., Johnstown, Pa.
Lipes, M. D. (1901).....Howe Cave, N. Y.
Lloyd, A. L. ('98).....Leola, S. D.
Lloyd, R. J. ('97).....Oliphant, Pa.
Lloyd, T. P. ('96).....Galveston, Texas.
Long, J. A. ('93).....Bowmansville, Pa.
Long, L. S. ('92).....Mertztown, Pa.
Long, O. L. ('98).....Blue Hill, Me.
Lord, L. W. ('97).....West Ossipee, N. H.
*Lord, J. Williams,
Franklin St., near Charles, Baltimore, Md.
Losekam, Geo. ('97).....Washington, D. C.
Loupe, A. M. ('98).....Poplar Ridge, N. Y.
Love, R. W. ('97).....Capon Bridge, W. Va.
Lowe, Ernest W. ('98).....Fremont, N. H.
†Lowman, E. W. ('93).....Westminster, Md.

*Honorary member of Alumni Association.

Lowman, W. R. ('93).....Orangeburg, S. C.
Lufburrow, C. B. ('97), Atlantic Highlands, N. J.
Lumpkin, J. C. ('98),
653 Columbia Ave., Baltimore, Md.
†Lumpkin, O. O. ('96).....———
Lumpkin, R. G. L. ('92),
Lafayette Ave. and Carey St., Baltimore, Md.
Lumpkin, T. M. ('88),
602 S. Paca St., Baltimore, Md.
Lynch, E. R. ('96).....Brattleboro, Vt.
Lyons, A. J. ('96).....Parkersburg, W. Va.

McAfee, J. C. ('98).....Macon, Ga.
McAnally, W. J. ('97).....High Point, N. C.
McCabe, W. O. ('92).....Davis Mills, Va.
McCabe, V. V. (1901).....Schenevus, N. Y.
McCaffrey, J. H. ('98),
453 Elk St., Buffalo, N. Y.
McCallum, Fenton (1900),
Parish, Oswego Co., N. Y.
McCallum, Malcolm (1901),
Maryland General Hospital.
MacCalman, Duncan ('95),
Fayette St. and Fremont Ave., Baltimore, Md.
McCarthy, J. T. ('93),
626 George St., Baltimore, Md.
McClellan, W. M. ('93).....Ashland, Ohio.
McClung, James (1901).....Richwood, Va.
McCormick, J. C. ('94).....Pen Argyl, Pa.
McDonald, W. B. ('97),
1030 N. Eutaw St., Baltimore, Md.
McFarland, W. J. R. ('97).....Flackville, N. Y.
McGee, W. C. ('94).....Houcktown, Ohio.
McGovern, J. T. ('98).....Rochester, N. Y.
McGowan, M. J. ('98).....Parsons, Pa.
McGrath, W. F. ('94).....North Adams, Mass.
McGuigan, J. W. ('91),
1924 W. Pratt St., Baltimore, Md.
McGuire, G. T. ('98).....Vandling, Vt.
McGuire, Thomas J. ('97)..Parkersburg, W. Va.
McGuire, S. B. ('93).....Akron, Ohio.
McHugh, G. M. ('98).....Pittsburg, Pa.
McInerny, J. (1901).....Worcester, Mass.
McIntyre, G. L. ('88).....Grangeville, W. Va.
McKenna, S. J. ('97),
Charlottetown, Prince Edward Island, Can.
MacLean, D. R. (1901),
30 Union Ave., Mt. Vernon, Vt.
McLeod, A. H. ('96).....Keyser, N. C.
McLaughlin, P. A. ('99).....Wilkesbarre, Pa.
McNamara, E. J. (1901),
114 Wilcox St., Springfield, Mass.
McPherson, J. W. ('98).....Haw River, N. C.
McWhinnie, A. M. ('97).....Hebron, Mass.
MacDonald, A. A. (1901),
St. Andrews, Nova Scotia, Can.
Mace, C. H. (1900).....Sydney Centre, N. Y.
Mackin, M. C. ('91).....Independence, Iowa.
Magruder, W. E. ('95),
Madison Ave., near Biddle St., Baltimore, Md.
Mahady, C. R. ('97).....Westernville, N. Y.
Mahady, J. J. ('94).....Adams, Mass.
†May, J. G. ('91).....Block, Ga.
*Marden, T. B.....Baltimore Medical College.
Marshall, L. J. (1900).....Marlinton, W. Va.
Martyn, Herbert ('98).....Derby, Conn.
Martin, S. L. ('92).....Leaksville, N. C.
Matthei, Edw. ('96),
6th and Washington Sts., Hoboken, N. J.
Mayo, H. N. ('95).....Salt Lake City, Utah.
Means, James ('92).....Dayton, Pa.
Meek, J. F. ('96).....Shamokin, Pa.
Meeker, F. B. ('99)....55 1st St., Newark, N. J.
Mehaffey, S. M. ('92).....Kimbolton, Ohio.
Mendelsohn, L. (1901),
1012 E. Fayette St., Baltimore, Md.
Meredith, T. O. ('87).....Apple Grove, Va.
*Merrick, S. K...843 Eutaw St., Baltimore, Md.
Merritt, L. J. ('97).....Pine Bush, N. J.
Myers, F. S. ('92).....Youngstown, Ohio.
Meyers, R. E. ('97),
Tottenville, Staten Island, N. Y.
Miller, C. F. ('96).....Zion, Md.
Miller, S. O. ('96).....Waynesboro, Pa.
Miller, E. M. ('98).....Ryegate, Vt.
Miller, J. Homer (1900).....Wilbraham, Mass.
Miller, W. P. ('92).....Hagerstown, Md.
Millikin, Walter S. ('97).....Madison, Me.
Mills, J. J. ('89)..859 Park Ave., Baltimore, Md.
Milot, W. F. (1900),
1648 S. Maine St., Fall River, Mass.
Miner, W. N. ('98).....Calais, Me.
Mitchell, F. W. ('98).....Island Falls, Me.
Mitnick, J. H. ('90),
316 N. Exeter St., Baltimore, Md.
Molter, H. L. (1900).....Clinton, Mass.
Monjar, J. W. ('99).....Rouseville, Mass.
*Montell, W. A.,
839 N. Eutaw St., Baltimore, Md.
Montony, Decatur ('94).....Harmon, W. Va.
Morehead, W. D. ('87).....Gohenville, Pa.
Morgan, E. N. ('97).....S. Brookfield, N. Y.
Morgan, Thomas ('95).....Goreville, Ill.
Moorehead, R. C. ('87).....Ford City, Pa.
Moore, R. I. ('93).....Bethlehem, S. C.
Morrill, D. L. ('97).....Thornville, N. C.
Morris, R. H. ('95),
Farmville, New Brunswick, Can.
Morrison, R. F. (1901),
care Dr. Prentiss, Holyoke, Mass.
Morrow, T. M. ('98)..804 17th St., Altoona, Pa.
Morrow, W. G. ('96)...804 17th St., Altoona, Pa.
Morse, J. F. ('94).....Hartford, Conn.
Morton, J. Cook ('97),
703 N. Gilmor St., Baltimore, Md.
Moseley, C. W. ('93).....Elkin, N. C.
*Moseley, W. E.,
301 W. Monument St., Baltimore, Md.
Moyer, F. K. ('97).....Freeville, Pa.
Mueller, Geo. W. ('97),
Springfield Ave., Newark, N. J.
Mullin, B. M. ('92),
St. Mary's, New Brunswick, Can.
Mulberry, C. D. ('98),
Windham, Green Co., N. Y.
Murray, C. N. ('91).....East River, Conn.
Murray, E. T. ('98),
Manhattan State Hospital, Central Islip,
L. I., N. Y.
Muse, J. E. ('98),
855 Columbia Ave., Baltimore, Md.
†Muse, W. C. ('99).....Baltimore, Md.
Meyers, B. F. ('92).....Chambersburg, Pa.
Meyers, C. H. ('88),
1033 N. Caroline St., Baltimore, Md.
Nalitzsky, D. I. (1901).....Bayonne, N. J.
Neitz, W. H. ('92).....Summit, Ohio.
Newcomb, A. T. ('93),
44 N. Marengo Ave., Passadena, Cal.
Newell, Harry (1900).....Raymond, N. H.

*Honorary member of Alumni Associatiou.

Ney, Charles L. ('97),
Fayette St. and Fremont Ave., Baltimore, Md.
Nichols, S. A. ('97).....Dayton, Md.
Nickel, H. G. ('98).....Johnstown, Pa.
Nichols, H. F. ('92).....Hurlock, Md.
Nieman, L. A. ('97),
73 Henry St., Brooklyn, N. Y.
Nisonoff, L. I. (1901),
Beth Israel Hospital, 206 E. Broadway, N. Y.
Nolte, H. W. ('98).....Newark, N. J.
Noon, M. A. ('97),
142 Railroad St., Johnstown, Pa.
Norman, G. W. ('96).....Reidsville, N. C.
Norval, W. A. ('97),
479 Maine St., Paterson, N. J.
Noxon, G. H. ('93).....Darien, Conn.
Nuckols, C. L. ('93),
S. Paca St., near Fremont, Baltimore, Md.

O'Brien, A. M. (1900),
Cor. State and Main Sts., Sharon, Pa.
O'Donnell, F. J.....Springfield, Mass.
*O'Donovan, C. W.,
10 E. Read St., Baltimore, Md.
O'Neill, T. B. (1901).....Plattsburg, N. Y.
O'Neill, O. W. ('97).....Moers Forks, N. Y.
O'Neill, O. S. ('97).....W. Chazy, N. Y.
O'Neill, O. W. ('97).....W. Chazy, N. Y.
*Orrison, J. E., 815 N. Eutaw St., Baltimore, Md.
Osborne, Rev. P. ('93),
9th St., near North Ave., Walbrook, Balto., Md.
Osincup, C. H. ('91).....Vestal Centre, N. Y.
Overlock, M. G. ('96),
106 Chandler St., Worcester, Mass.
Overmuller, N. A. ('95).....Yoe, Pa.

Page, L. D. ('98).....Willink, N. Y.
Paider, J. G.....New York City.
Parent, A. R. ('89).....Castle Rock, Cal.
Paris, Oliver J. ('97).....White Cross, N. C.
Parker, J. R. ('98).....Menola, N. C.
Parker, L. M. C. (1900),
1051 Aisquith St., Baltimore, Md.
Parker, W. H. ('96),
1773 Dorchester Ave., Boston, Mass.
Parrish, W. P. ('91).....Chatham, Va.
Patrick, H. W. ('93).....Elyria, Ohio.
Patton, H. R. ('96),
1538 Wabash Ave., Chicago, Ill.
Patterson, James ('98).....McKeesport, Pa.
Patterson, R. D. ('97).....Liberty, N. C.
Payne, T. Ross ('95).....Corbitt, Md.
Peacock, J. B. ('95).....Cochran, Ga.
Pearson, H. R. ('93).....West Milton, Ohio.
Peckham, W. D. ('97)..12 Plant St., Utica, N. Y.
Pegram, R. W. S. ('92).....Elkin, N. C.
*Penniman, W. D. B...13 North St., Balto., Md.
Perkins, S. L. ('91).....Sunderland, N. C.
Pero, J. T.....Indian Orchard, Mass.
Perry, R. G. (1901), 180 Pearl St., Burlington, Vt.
Perrie, A. H. ('95)..McKendree, A. A. Co., Md.
Perry, W. B. ('89),
1301 Madison Ave., Baltimore, Md.
Perry, Elmer ('95).....Fort Springs, W. Va.
Perry, J. P. ('96).....Clearspring, Md.
Perry, Mark ('95).....Weston, W. Va.
Peterman, H. E. ('95),
Eye and Ear Hospital, Franklin St.,
near Pine, Baltimore, Md.
Peterson, E. C. ('83),
Corner Broadway and Chase St., Baltimore, Md.
Pett, A. W. (1901)..Baltimore Medical College.
Pfeffer, C. W. ('87),
48 E. Montgomery St., Baltimore, Md.
Phillips, J. H. ('93).....Milner, Ga.
Phillips, J. W. ('96).....Troy, Pa.
Pickering, L. A. ('98)..Warner, Brown Co., S. D.
Plummer, F. E. ('95).....Carlton, Ohio.
Plummer, F. J. ('96), 67 Salem St., Malden, Mass.
Podlewski, Stephen J. ('95)..Steubenville, Ohio.
Pole, E. A. ('97).....Hot Springs, Va.
*Pole, A. C.,
Madison Ave. and Bloom St., Baltimore, Md.
Poock, J. T. ('90)..138 Wall St., Paterson, N. J.
Post, W. H. (1901).....Johnstown, W. Va.
Posey, B. F. ('97)....Bogueville, York Co., Pa.
Potter, C. H. ('98),
1526 Bolton St., Baltimore, Md.
Pound, J. C. ('96),
1300 W. Lombard St., Baltimore, Md.
Pound, W. H. ('93)....Westchester, N. Y. City.
Prentiss, H. T. ('93),
Ball's Block, High St., Holyoke, Mass.
Prentiss, P. ('98).....Dorr St., Toledo, Ohio.
Prentiss, R. W. (1901).....Montpelier, Vt.
Price, I. J. ('96).....Kingston, Pa.
Price, I. W. ('91).....Marlington, W. Va.
Price, R. W. ('97),
1425 E. Preston St., Baltimore, Md.
Probasco, L. G. ('98).....Andover, N. Y.
Protzman, J. ('91).....Ringgold, Md.

Quigley, J. M. ('98).....Wallacetown, Pa

Ragan, David ('95).....Conowingo, Md.
Ramachandrayya, P. ('97).....Bapatla, India.
Ravich, Charles M. ('98), Woodhaven, L. I., N. Y.
Ray, J. B. ('98).....Spray, N. C.
Reckard, H. L. ('95),
910 Canton Ave., Baltimore, Md.
Redmond, T. H. ('97).....Lawrence, Mass.
Reeder, Addison ('98),
1135 Kaign's Ave., Camden, N. J.
Rees, D. T. ('96).....Hyndman, Pa.
Reinert, E. G. ('95).....Hartford, Conn.
*Reuling, Geo.,
103 W. Monument St., Baltimore, Md.
Reuling, Robert ('94),
103 W. Monument St., Baltimore, Md.
Rexford, W. D. ('98).....Winsted, Conn.
Rexrode, Chas. P. ('96).....New Hampton, Va.
Reynolds, A. R. (1900),
1519 Jackson St., Scranton, Pa.
†Rice, A. W. ('92).....West Virginia.
Rice, C. O. ('90).....Pueblo, Col.
Rice, W. D. ('89).....Gordius, S. C.
Richardson, H. ('96),
Mt. Hope Retreat, Mt. Hope, Md.
Richardson, T. L. ('98),
201 W. 25th St., Baltimore, Md.
Rider, C. J. ('93).....Holmesville, Ohio.
Rigby, W. W. ('92).....Spartanburg, S. C.
Ritter, J. J. (1901), 28 Park Ave., Paterson, N. J.
Ritter, A. T. ('93).....Loysville, Pa.
Robb, W. M. ('97).....Marlow, N. H.
Robbins, Chas. H. ('95).....New Haven, Conn.
Robbins, E. E. ('96),
95 W. School St., New Bedford, Mass.
Robertson, Burdette ('98),
McLean Hospital, Waverly, Mass.
Robson, Rev. J. K. ('98)...Tien Tsin, N. China.

*Honorary member of Alumni Association.

Rohr, S. M. ('89).....Burnersville, W. Va.
Rosa, H. A. ('99),
Cor. South and S. Maine Sts., Fall River, Mass.
Rose, J. T. ('94).....Asbury Park, N. J.
Rouillard, F. W. (1901).....Monument, N. H.
Ross, C. H. ('93).....Stewart, Va.
Rowland, Ernest ('95).....Liberty Grove, Md.
Rowland, J. M. H. ('92),
1204 Madison Ave., Baltimore, Md.
Rudolph, J. J....606 Garden St., Hoboken, N. J.
Russell, E. E. ('96).....North Adams, Mass.
Russlow, L. A. ('94).....Randolph, Vt.

Sallume, Najib ('96),
750 Washington St., Toledo, Ohio.
Sampson, J. J. ('98).....Mt. Blanchard, Ohio.
Sanford, W. H. ('95),
63 Edward St., New Haven, Conn.
Sauer, A. J. ('94),
3042 O'Donnell St., Baltimore, Md.
Saul, H. W. ('94).....Kutztown, Pa.
Savage, L. S. ('93).....Bennings, D. C.
Saylor, Jos. E. ('96).....Lewistown, Pa.
Scarbrough, N. W. (1901)....Mt. Vernon, Ohio.
Schaeffer, E. D. ('93).....Reading, Pa.
Schaub, O. P. ('98).....Roxboro, N. C.
Schindel, R. E. ('97).....Hagerstown, Md.
Scherman, R. J. ('93).....Baltimore, Md.
Schmucker, N. F. ('97).....Mt. Clifton, Va.
Schneider, C. A. (1900),
460 S. 10th St., Newark, N. J.
Schopfer, W. H. ('98).....Newark, N. J.
Schultz, E. A. ('88),
1502 N. Bond St., Baltimore, Md.
Schulyer, A. L. ('95).....Bantam, Conn.
Schwatka, J. B. ('87),
1003 N. Broadway, Baltimore, Md.
Schwatka, W. H. ('89),
2429 Lancaster St., Baltimore, Md.
Scott, G. W. ('92).....W. Randolph, Vt.
Scoville, C. H. ('92).....New Canaan, Conn.
Scully, W. T. ('97)...St. John's, N. F., Canada.
Seafuse, M. W. ('98).....Gillett, Pa.
Seegar, J. K. B. E. (1900),
1529 Park Ave., Baltimore, Md.
Seidel, A. M. ('91).....Albany, Pa.
Seidel, C. K. ('98).....Reading, Pa.
Selby, W. O. ('91).....Rock Hall, Md.
Sellers, H. H. ('93).....Searsport, Me.
Seeling, L. M. ('92).....Cheltenham, Md.
Shackelford, S. M. ('91).....Martinsville, Va.
Shanley, C. M. ('94).....Lidgerwood, N. D.
Shank, O. J. ('96).....Conemaugh, Pa.
Shannon, G. C. ('83),
1442 Presstman St., Baltimore, Md.
Shaul, F. G. (1901)....North Bridgewater, N. Y.
Shearer, S. H. ('96).....Palestine, W. Va.
Shields, N. J. ('98).....Mt. Blanchard, Ohio.
Shippie, D. N. ('94)..Midvale, Passaic Co., N. J.
Shollenberger, I. N. (1901)....Waynesboro, Pa.
Shortle, A. G. ('96).....Tipton, Ind.
Shotwell, J. B. ('93),
218 W. 38th St., New York, N. Y.
Showalter, N. W. ('92).....Kingwood, W. Va.
Shriver, J. K. ('97),
Spring Grove Asylum, Catonsville, Md.
Sickler, P. C. (1900).....Wilkesbarre, Pa.
Silver, Fletcher ('96).....Aberdeen, Md.
Simpers, I. N. ('91).....Germantown, Md.
Sims, A. O. ('90).....Lawrenceville, Ga.
Skafte, W. J. ('97).....Baltimore, Md.
Skinner, L. C. ('94).....Greenville, N. C.
Slayton, W. T. ('94).....Hyde Park, Vt.
Sloane, E. H. ('98).....Pulaski, Pa.
Slote, S. H. ('93),
75 McKibbin St., Brooklyn, N. Y.
Smith, A. W. ('99).....Brandy Station, Va.
Smith, C. F. ('98).....Montague, Mich.
Smith, E. A. ('91),
1605 W. North Ave., Baltimore, Md.
Smith, L. S. (1901).....Windsor, Vt.
Smith, C. H. ('85).....Parkersburg, N. C.
Smith, F. W. (1900),
Hebrew Hospital, Baltimore, Md.
*Smith, J. W.,
Eutaw and McCulloh Sts., Baltimore, Md.
Smith, L. C. ('92).....Polkton, N. C.
Smith, L. C. (1900).....Lawrenceville, Mass.
Smith, T. H. ('97).....Belleville, Pa.
Smith, W. H. ('85).....Virginia.
Smullyan, I. C. (1901).....Atlanta, Ga.
Smurl, J. A. M. ('96).....Hardin Co., Ohio.
Snow, Harry ('93).....Milo, Me.
South, R. B. ('96).....Amity, Pa.
Spainhower, Ellis ('98).....Winston, N. C.
Sparks, C. I. ('98).....Winsted, Conn.
Speak, S. H. ('87).....Charles Co., Md.
Stacey, W. M. ('98).....McGee, N. Y.
Stanley, M. P. ('95)..White River Junction, Vt.
Staples, A. H. ('96).....Jersey City, N. J.
Statham, J. S. ('97).....Parrott, Ga.
Statham, O. W. ('95).....Parrott, Ga.
Stevens, M. L. ('91).....Ashville, Tenn.
Stevens, H. L. ('91).....New Bedford, Mass.
Stewart, F. C. ('95).....Sag Harbor, N. Y.
Stewart, W. C. (1901).....Elderton, Pa.
Stiles, A. W. ('97).....Oswego, N. Y.
Stirling, W. M. ('95).....Shane, Md.
Strapp, W. F. A. ('90),
Harbor Grace, Newfoundland, Can.
*Streett, David..712 Park Ave., Baltimore, Md.
Strensch, F. A. R. ('98),
Le Strange, Chatham, N. J.
Streett, Harry ('94).....Litchfield, Ohio.
Strickler, E. W.....Kingwood, W. Va.
Strother, J. W. ('98).....Philippi, W. Va.
†Stuart, Stanley M. ('97).....Maryland.
Stubbs, Ambrose H. ('95),
Wakefield, Lancaster Co., Pa.
Studebaker, G. M. ('96).....Jacksonville, Pa.
Sturgis, W. H. ('95).....Winchester, Mass.
Sullivan, A. W. ('90).....Andover, N. Y.
Sullivan, F. A. (1900),
145 Saratoga St., Lawrence, Mass.
Sullivan, J. G. ('99).....Denton, Md.
Sullivan, J. H. ('98).....Mt. Clemens, Mich.
Sumner, H. H. (1901),
4 Fernald St., Lowell, Mass.
Surber, A. C. ('95).....Cincinnati, Ohio.

Tate, Charles ('98).....Ramseur, N. C.
Taylor, Leslie G. ('94).....Perryville, Md.
Teal, D. T. ('93).....Chesterfield, S. C.
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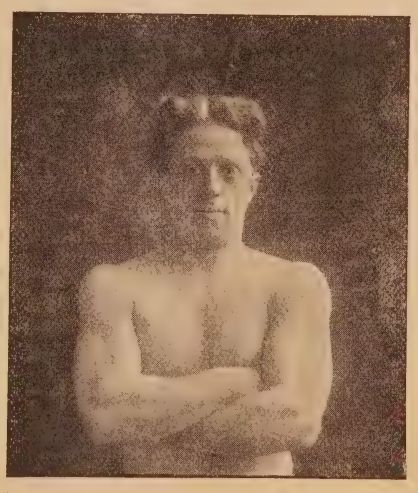

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